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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,219	09/30/2003	Richard N. Codos	LPPT-16	9875
26875	7590	03/22/2005	EXAMINER	
WOOD, HERRON & EVANS, LLP			SHAH, MANISH S	
2700 CAREW TOWER			ART UNIT	
441 VINE STREET			PAPER NUMBER	
CINCINNATI, OH 45202			2853	

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/675,219

Applicant(s)

CODOS ET AL.

Examiner

Manish S. Shah

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 34-37, 48-62, 65, 67-82, 84 and 85 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 48-50, 65 and 67 is/are allowed.
- 6) ☒ Claim(s) 34-37, 51-62, 68-82, 84 and 85 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 34 & 37 are rejected under 35 U.S.C. 102(b) as being anticipated by Ebisawa et al. (# JP 01-141076).

Ebisawa et al. discloses a method of printing on the recording medium including fibers that cause fuzz, dust or lint from the surface of the substrate; then inkjet printing onto the substrate (see Abstract; figure). They also disclose that the removing of the fibers is performed on the substrate when supported on the frame of a printing machine; and printing is carried out while the substrate is still supported on the frame of the printing machine (see figure).

2. Claims 34-37 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakamura et al. (# JP 01-141082).

Nakamura et al. discloses a method of printing on the recording medium including fibers that cause fuzz, dust or lint from the surface of the substrate; then inkjet printing onto the substrate (see Abstract; figure). They also disclose that the removing of the fibers includes shaving the surface of the substrate (see figure). They also

disclose that the removing of the fibers is performed on the substrate when supported on the frame of a printing machine; and printing is carried out while the substrate is still supported on the frame of the printing machine (see figure).

3. Claims 51-60 are rejected under 35 U.S.C. 102(b) as being anticipated by Lin (# US 5764263).

Lin discloses an ink jet printing apparatus including a substrate support (element: Sd, figure: 2); a layer of non-stick protective material overlying the support so as to collect, and protect the substrate support from ink jetted toward a porous substrate on the support and passing through the porous substrate; an inkjet print head directed toward the support; a curable head positioned adjacent the support to facilitate the curing of ink jetted from the print head towards a substrate on the support (figure: 2). They also disclose that the substrate is selected from web or transparency (TEFLON) (column: 9, line: 30-40).

4. Claims 61-62 are rejected under 35 U.S.C. 102(b) as being anticipated by Lin (# US 5764263).

Lin discloses an ink jet printing apparatus including an ink jet print head configured to jet UV curable ink on to substrate (figure: 2); a UV curing head configured to partially cure UV curable ink jetted on the substrate; and a heated platen configured to physically and thermally contact the substrate having the at least partially cured UV ink (figure: 2, column: 11, line: 35-50).

5. Claims 68-82 & 84-85 are rejected under 35 U.S.C. 102(b) as being anticipated by Lin (# US 5764263).

Lin discloses an ink jet printing apparatus including a substrate support extending through a printing station (figure: 2); a print head at the printing station directed towards the table; guide structure configured and positioned to support a substrate, for printing thereon at the printing station (figure: 1-2). They also disclose that layer of material overlying the support so as to collect, and protect the substrate support from ink jetted toward a porous substrate on the support and passing through the porous substrate; an inkjet print head directed toward the support; a curable head positioned adjacent the support to facilitate the curing of ink jetted from the print head towards a substrate on the support (figure: 2). They also disclose that the substrate is selected from web or transparency (TEFLON) (column: 9, line: 30-40).

#### ***Allowable Subject Matter***

6. Claims 48-50, 65 & 67 are allowed.

#### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manish S. Shah whose telephone number is (571) 272-2152. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manish S. Shah  
Primary Examiner  
Art Unit 2853



MSS  
3/21/05